

## Table E1. - Forest Productivity

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber	
Cu Ft/Acre				
1A:				
Altavista	American beech	---	0	loblolly pine
	loblolly pine	91	129	
	longleaf pine	87	114	
	red maple	---	0	
	shortleaf pine	---	0	
	southern red oak	---	0	
	sweetgum	---	0	
	water oak	---	0	
	white oak	77	57	
	yellow-poplar	---	0	
Chewacla	---	---	---	---
Roanoke	---	---	---	---
Chastain	---	---	---	---
Riverview	---	---	---	---
Tomotley	---	---	---	---
1B:				
Altavista	American beech	---	0	loblolly pine
	loblolly pine	91	129	
	longleaf pine	87	114	
	red maple	---	0	
	shortleaf pine	---	0	
	southern red oak	---	0	
	sweetgum	---	0	
	water oak	---	0	
	white oak	77	57	
	yellow-poplar	---	0	
Chastain	---	---	---	---
Chewacla	---	---	---	---
Riverview	---	---	---	---
Roanoke	---	---	---	---
Tomotley	---	---	---	---
2B:				

# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber  Cu Ft/Acre	
2B:				
Appling	hickory	---	0	loblolly pine
	loblolly pine	84	114	shortleaf pine
	scarlet oak	74	57	
	shortleaf pine	65	100	
	southern red oak	---	0	
	sweetgum	---	0	
	Virginia pine	74	114	
	white oak	64	43	
	yellow-poplar	88	86	
Emporia	---	---	---	---
Helena	---	---	---	---
2C:				
Appling	hickory	---	0	loblolly pine
	loblolly pine	84	114	shortleaf pine
	scarlet oak	74	57	
	shortleaf pine	65	100	
	southern red oak	---	0	
	sweetgum	---	0	
	Virginia pine	74	114	
	white oak	64	43	
	yellow-poplar	88	86	
Emporia	---	---	---	---
Helena	---	---	---	---
3A:				
Bama	---	---	---	---
Emporia	---	---	---	---
Slagle	---	---	---	---
3B:				
Bama	---	---	---	---
Emporia	---	---	---	---
Slagle	---	---	---	---
4A:				

# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber	
			Cu Ft/Acre	
4A:				
Bibb	Atlantic white cedar	---	0	eastern cottonwood
	blackgum	---	0	loblolly pine
	loblolly pine	100	157	sweetgum
	sweetgum	90	100	yellow-poplar
	water oak	90	86	
	yellow-poplar	---	0	
Chastain	baldcypress	---	0	baldcypress
	sweetgum	95	114	sweetgum
	water oak	---	0	
	water tupelo	---	0	
Chewacla	---	---	---	---
fine loamy poorly drained soils	---	---	---	---
ponded soils	---	---	---	---
very poorly drained muck soils	---	---	---	---
5B:				
Bojac	loblolly pine	80	114	loblolly pine
	southern red oak	65	43	sweetgum
	sweetgum	80	86	
Altavista	---	---	---	---
Chewacla	---	---	---	---
Riverview	---	---	---	---
Tarboro	---	---	---	---
6B:				
Cecil	loblolly pine	83	114	loblolly pine
	northern red oak	81	57	shortleaf pine
	post oak	72	57	
	scarlet oak	81	57	
	shortleaf pine	69	114	
	southern red oak	79	57	
	sweetgum	76	72	
	Virginia pine	71	114	
	white oak	79	57	
	yellow-poplar	92	86	
Emporia	---	---	---	---
Helena	---	---	---	---

# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber	
			Cu Ft/Acre	
7A:				
Chastain	baldcypress	---	0	baldcypress
	sweetgum	95	114	sweetgum
	water oak	---	0	
	water tupelo	---	0	
Roanoke	---	---	---	---
Rappahannock	---	---	---	---
Riverview	---	---	---	---
Tomotley	---	---	---	---
8A:				
Chewacla	blackgum	---	0	American sycamore
	eastern cottonwood	---	0	loblolly pine
	green ash	---	0	sweetgum
	loblolly pine	95	143	yellow-poplar
	red maple	---	0	
	southern red oak	---	0	
	sweetgum	97	129	
	water oak	80	72	
	willow oak	---	0	
	yellow-poplar	95	100	
Altavista	---	---	---	---
Bojac	---	---	---	---
Chastain	---	---	---	---
Riverview	---	---	---	---
Roanoke	---	---	---	---
Tomotley	---	---	---	---
Rappahannock	---	---	---	---

9C:

# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber	
Cu Ft/Acre				
9C:				
Helena	black oak	---	0	loblolly pine
	hickory	---	0	yellow-poplar
	loblolly pine	84	114	
	northern red oak	---	0	
	shortleaf pine	66	100	
	southern red oak	---	0	
	sweetgum	---	0	
	Virginia pine	---	0	
	white oak	---	0	
	yellow-poplar	---	0	
Appling	hickory	---	0	loblolly pine
	loblolly pine	84	114	shortleaf pine
	scarlet oak	74	57	
	shortleaf pine	65	100	
	southern red oak	---	0	
	sweetgum	---	0	
	Virginia pine	74	114	
	white oak	64	43	
	yellow-poplar	88	86	
Emporia	---	---	---	---
somewhat poorly drained to poorly drained, fine loamy to cla	---	---	---	---
well drained clayey soils	---	---	---	---
10E:				
Kempsville	---	---	---	---
Emporia	loblolly pine	75	100	loblolly pine
	southern red oak	70	57	sweetgum
Remlik	loblolly pine	80	114	loblolly pine
	southern red oak	74	57	
	Virginia pine	74	114	
	yellow-poplar	80	72	
Chastain	---	---	---	---
Bibb	---	---	---	---

11A:

# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber  Cu Ft/Acre	
11A:				
Kempsville	loblolly pine	82	114	loblolly pine
	southern red oak	74	57	
	sweetgum	80	86	
	Virginia pine	74	114	
	yellow-poplar	82	72	
Emporia	loblolly pine	75	100	loblolly pine
	southern red oak	70	57	sweetgum
11B:				
Kempsville	loblolly pine	82	114	loblolly pine
	southern red oak	74	57	
	sweetgum	80	86	
	Virginia pine	74	114	
	yellow-poplar	82	72	
Emporia	loblolly pine	75	100	loblolly pine
	southern red oak	70	57	sweetgum
Roanoke	---	---	---	---
11C:				
Kempsville	loblolly pine	82	114	loblolly pine
	southern red oak	74	57	
	sweetgum	80	86	
	Virginia pine	74	114	
	yellow-poplar	82	72	
Emporia	loblolly pine	75	100	loblolly pine
	southern red oak	70	57	sweetgum
Roanoke	---	---	---	---
12A:				
Myatt	American sycamore	---	0	loblolly pine
	blackgum	---	0	sweetgum
	loblolly pine	88	129	
	Shumard's oak	---	0	
	southern red oak	---	0	
	sweetgum	92	114	
	water oak	86	86	
	white oak	---	0	

# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber	
Cu Ft/Acre				
12A:				
Slagle	loblolly pine	86	129	loblolly pine
	southern red oak	76	57	sweetgum
	sweetgum	86	100	yellow-poplar
	water oak	76	72	
	yellow-poplar	90	86	
Emporia	---	---	---	---
Kempsville	---	---	---	---
13E:				
Nevarc	loblolly pine	77	100	loblolly pine
	southern red oak	70	57	
	sweetgum	76	72	
	white oak	70	57	
	yellow-poplar	80	72	
Remilik	---	---	---	---
Kempsville	---	---	---	---
14:				
Pits, gravel	---	---	---	---
Appling	---	---	---	---
Emporia	---	---	---	---
Kempsville	---	---	---	---
Slagle	---	---	---	---
Udorthents	---	---	---	---
15A:				
Rappahannock	---	---	---	---
Chastain	---	---	---	---
Chewacla	---	---	---	---
Riverview	---	---	---	---
16B:				
Remlik	---	---	---	---
Emporia	---	---	---	---
Slagle	---	---	---	---

# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber	
Cu Ft/Acre				
16C:				
Remlik	loblolly pine	80	114	loblolly pine
	southern red oak	74	57	
	Virginia pine	74	114	
	yellow-poplar	80	72	
Emporia	---	---	---	---
Slagle	---	---	---	---
16E:				
Remlik	loblolly pine	80	114	loblolly pine
	southern red oak	74	57	
	Virginia pine	74	114	
	yellow-poplar	80	72	
Emporia	---	---	---	---
Nevarc	---	---	---	---
17D:				
Rion	hickory	---	0	loblolly pine
	loblolly pine	80	114	shortleaf pine
	northern red oak	---	0	yellow-poplar
	post oak	65	43	
	shortleaf pine	70	114	
	southern red oak	80	57	
	sweetgum	80	86	
	white oak	70	57	
	yellow-poplar	90	86	
Helena	---	---	---	---
Wateree	---	---	---	---
Rock outcrop	---	---	---	---
18A:				
Riverview	loblolly pine	100	157	American sycamore
	sweetgum	100	143	eastern cottonwood
	yellow-poplar	110	129	loblolly pine
				sweetgum
				yellow-poplar
Altavista	---	---	---	---
Bojac	---	---	---	---
Chastain	---	---	---	---



# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber  Cu Ft/Acre	
18A:				
Chewacla	---	---	---	---
State	---	---	---	---
Rappahannock	---	---	---	---
19A:				
Roanoke	baldcypress	---	0	water tupelo
	blackgum	---	0	
	sweetgum	94	114	
	water tupelo	---	0	
Altavista	---	---	---	---
Chastain	---	---	---	---
Slagle	---	---	---	---
20B:				
Rumford	loblolly pine	80	114	loblolly pine
	southern red oak	65	43	
	Virginia pine	70	114	
Emporia	---	---	---	---
Slagle	---	---	---	---
20C:				
Rumford	loblolly pine	80	114	loblolly pine
	southern red oak	65	43	
	Virginia pine	70	114	
Emporia	---	---	---	---
Slagle	---	---	---	---
20D:				
Rumford	loblolly pine	80	114	loblolly pine
	southern red oak	65	43	
	Virginia pine	70	114	
Emporia	---	---	---	---
Nevarc	---	---	---	---
Slagle	---	---	---	---
21C:				

# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber  Cu Ft/Acre	
21C:				
Slagle	loblolly pine	86	129	loblolly pine
	southern red oak	76	57	sweetgum
	sweetgum	86	100	yellow-poplar
	water oak	76	72	
	yellow-poplar	90	86	
Kempsville	loblolly pine	82	114	loblolly pine
	southern red oak	74	57	
	sweetgum	80	86	
	Virginia pine	74	114	
	yellow-poplar	82	72	
excessivley drained sandy soils	---	---	---	---
moderately well drained coarse loamy soils	---	---	---	---
22A:				
Slagle	loblolly pine	86	129	loblolly pine
	southern red oak	76	57	sweetgum
	sweetgum	86	100	yellow-poplar
	water oak	76	72	
	yellow-poplar	90	86	
Myatt	---	---	---	---
Roanoke	---	---	---	---
Rumford	---	---	---	---
Suffolk	---	---	---	---
Bama	---	---	---	---
Kempsville	---	---	---	---
22B:				
Slagle	loblolly pine	86	129	loblolly pine
	southern red oak	76	57	sweetgum
	sweetgum	86	100	yellow-poplar
	water oak	76	72	
	yellow-poplar	90	86	
Bama	---	---	---	---
Kempsville	---	---	---	---
Myatt	---	---	---	---

# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber	
			Cu Ft/Acre	
22B:				
Roanoke	---	---	---	---
Rumford	---	---	---	---
23A:				
State	American beech	---	0	black walnut
	hickory	---	0	loblolly pine
	loblolly pine	86	129	yellow-poplar
	southern red oak	85	72	
	Virginia pine	85	129	
	white oak	---	0	
	yellow-poplar	100	114	
Chewacla	---	---	---	---
Tarboro	---	---	---	---
23B:				
State	American beech	---	0	black walnut
	hickory	---	0	loblolly pine
	loblolly pine	86	129	yellow-poplar
	southern red oak	85	72	
	Virginia pine	85	129	
	white oak	---	0	
	yellow-poplar	100	114	
Chewacla	---	---	---	---
Riverview	---	---	---	---
Tarboro	---	---	---	---
23C:				
State	hickory	---	0	loblolly pine
	loblolly pine	90	129	
	northern red oak	---	0	
	red maple	---	0	
	shortleaf pine	---	0	
	southern red oak	82	57	
	sweetgum	---	0	
	water oak	---	0	
	white oak	84	72	
	yellow-poplar	89	86	
Tarboro	---	---	---	---

24A:

# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber	
			Cu Ft/Acre	
24A:				
Suffolk	loblolly pine	82	114	loblolly pine
	shortleaf pine	72	114	
	southern red oak	70	57	
Emporia	---	---	---	---
24B:				
Suffolk	loblolly pine	82	114	loblolly pine
	shortleaf pine	72	114	
	southern red oak	70	57	
Emporia	---	---	---	---
25B:				
Tarboro	hickory	---	0	loblolly pine
	loblolly pine	72	100	longleaf pine
	longleaf pine	---	0	
	red maple	---	0	
	southern red oak	---	0	
	sweetgum	---	0	
	water oak	---	0	
	white oak	---	0	
Bojac	loblolly pine	80	114	loblolly pine
	southern red oak	65	43	sweetgum
	sweetgum	80	86	
Altavista	---	---	---	---
26A:				
Tomotley	blackgum	---	0	loblolly pine
	loblolly pine	97	143	
	red maple	---	0	
	sweetgum	---	0	
	water oak	78	72	
	water tupelo	---	0	
	willow oak	86	86	
	yellow-poplar	---	0	
Roanoke	baldcypress	---	0	water tupelo
	blackgum	---	0	
	sweetgum	94	114	
	water tupelo	---	0	
Altavista	---	---	---	---
Riverview	---	---	---	---

# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber  Cu Ft/Acre	
26A:				
Bojac	---	---	---	---
Chastain	---	---	---	---
Chewacla	---	---	---	---
State	---	---	---	---
27C:				
Udorthents	---	---	---	---
Bibb	---	---	---	---
Bojac	---	---	---	---
Emporia	---	---	---	---
28A:				
Wehadkee	American sycamore	---	0	green ash
	green ash	---	0	loblolly pine
	loblolly pine	93	143	sweetgum
	river birch	---	0	yellow-poplar
	sweetgum	94	114	
	water oak	91	86	
	white ash	---	0	
	willow oak	110	114	
	yellow-poplar	100	114	
Riverview	---	---	---	---
Helena	---	---	---	---
29A:				
Wickham	hickory	---	0	loblolly pine
	loblolly pine	90	129	
	northern red oak	---	0	
	red maple	---	0	
	shortleaf pine	---	0	
	southern red oak	82	57	
	sweetgum	---	0	
	water oak	---	0	
	white oak	84	72	
	yellow-poplar	89	86	
Altavista	---	---	---	---
29B:				

# Table E1. - Forest Productivity - Continued

Caroline County, Virginia

Map Symbol and Soil Name	Potential Productivity			Trees to Manage
	Common Trees	Site Index	Volume of Wood Fiber  Cu Ft/Acre	
29B:				
Wickham	hickory	---	0	loblolly pine
	loblolly pine	90	129	
	northern red oak	---	0	
	red maple	---	0	
	shortleaf pine	---	0	
	southern red oak	82	57	
	sweetgum	---	0	
	water oak	---	0	
	white oak	84	72	
	yellow-poplar	89	86	
somewhat poorly drained soils	---	---	---	---
30E:				
Wateree	loblolly pine	77	100	loblolly pine
	shortleaf pine	69	114	Virginia pine
	southern red oak	72	57	yellow-poplar
	Virginia pine	71	114	
	white oak	68	57	
	yellow-poplar	84	86	
Rock outcrop	---	---	---	---
Rion	---	---	---	---
W:				
Water	---	---	---	---